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Quick Selection Guide Intrusion Detectors

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Residential and small commercial – Blue Line Gen2 Series

Material description		Standard PIR	Pet Friendly® PIR	Quad PIR	Standard TriTech®	Pet Friendly® TriTech®	Pet Friendly® TriTech®
Commercial type number (CTN)		ISC-BPR2-W12	ISC-BPR2-WP12	ISC-BPQ2-W12	ISC-BDL2-W12x	ISC-BDL2-W12x	ISC-BDL2-W6x
Overview	**Application risk level**	Low to moderate risk	Low to moderate risk	Moderate risk	Low to moderate risk	Low to moderate risk	Low to moderate risk
	Environment*	Standard	Standard	Difficult	Difficult	Difficult	Difficult
Specifications	**Coverage/range**	40 x 40 ft (12 x 12 m)	40 x 40 ft (12 x 12 m)	40 x 40 ft (12 x 12 m)	40 x 40 ft (12 x 12 m)	40 x 40 ft (12 x 12 m)	20 x 20 ft (6 x 6 m)
	Mounting height	7.5 to 9 ft (2.3 to 2.75 m)	7.5 to 9 ft (2.3 to 2.75 m)	7.5 to 9 ft (2.3 to 2.75 m)	7.5 to 9 ft (2.3 to 2.75 m)	7.5 to 9 ft (2.3 to 2.75 m)	7.5 to 9 ft (2.3 to 2.75 m)
	Operating temperature**	-20º to 130º F (-30º to 55º C)	-20º to 130º F (-30º to 55º C)	-20º to 130º F (-30º to 55º C)	-20º to 130º F (-30º to 55º C)	-20º to 130º F (-30º to 55º C)	-20º to 130º F (-30º to 55º C)
	Operating voltage	9 to 15 VDC	9 to 15 VDC	9 to 15 VDC	9 to 15 VDC	9 to 15 VDC	9 to 15 VDC
	Current draw (typical)	10 mA	10 mA	10 mA	10 mA	10 mA	10 mA
Features	**First step processing**	■	■	■	■	■	■
	Microwave noise adaptive processing	–	–	–	■	■	■
	Dynamic temperature compensation	■	■	■	■	■	■
	Wall-to-wall coverage	■	■	■	■	■	■
	Look-down zone	■	■	■	■	■	■
	Pet/small animal immunity	10 lb (4.5 kg)	45 lb (20 kg)	10 lb (4.5 kg)	10 lb (4.5 kg)	100 lb (45 kg)	100 lb (45 kg)
	Alarm output	NC	NC	NC	NC	NC	NC
	Alarm memory	–	–	–	–	–	–
	Anti-mask	–	–	–	–	–	–
	Tamper	Cover	Cover	Cover	Cover	Cover	Cover
	Sealed optical chamber	■	■	■	■	■	■
Ease of Installation***	**No-adjust installation**	■	■	■	■	■	■
	Enable/disable LED	■	■	■	■	■	■
	Enable/disable pet immunity	–	■	–	–	■	■
	Enable/disable look-down	■	■	■	–	–	–
	Microwave Doppler range adjustment	–	–	–	■	■	■
	Remote walk test	–	–	–	–	–	–
	Remote self test	–	–	–	–	–	–
Certifications		AFNOR, CCC, CE, EN50131-2-2 Grade 2, INCERT, UL	AFNOR, CCC, CE, EN50131-2-2 Grade 2, INCERT, UL	AFNOR, CCC, CE, EN50131-2-2 Grade 2, INCERT, UL	CCC, FCC, IC, UL	CCC, FCC, IC, UL	CCC, FCC, IC, UL

■ Available – Not available

Small to medium commercial – Commercial Series

Material description		Standard TriTech®	Anti-mask TriTech®	Anti-mask TriTech®
Commercial type number (CTN)		ISC-CDL1-W15x	ISC-CDL1-WA15x	ISC-CDL1-WA12x
Overview	**Application risk level**	Moderate risk	High risk	High risk
	Environment*	Difficult	Difficult	Difficult
Specifications	**Coverage/range**	50 x 50 ft (15 x 15 m)	50 x 50 ft (15 x 15 m)	40 x 40 ft (12 x 12 m)
	Mounting height	7.5 to 9 ft (2.3 to 2.75 m)	7.5 to 9 ft (2.3 to 2.75 m)	7.5 to 9 ft (2.3 to 2.75 m)
	Operating temperature**	-22º to 130º F (-30º to 55º C)	-22º to 130º F (-30º to 55º C)	-22º to 130º F (-30º to 55º C)
	Operating voltage	9 to 15 VDC	9 to 15 VDC	9 to 15 VDC
	Current draw (typical)	10 mA	15 mA	15 mA
Features	**First step processing**	■	■	■
	Microwave noise adaptive processing	■	■	■
	Range adaptive radar	–	–	–
	Active white light suppression	■	■	■
	Dynamic temperature compensation	■	■	■
	Look-down zone	■	■	■
	Pet/small animal immunity	10 lb (4.5 kg)	10 lb (4.5 kg)	10 lb (4.5 kg)
	Alarm output	NC	NC	NC
	Alarm memory	■	■	■
	Anti-mask	–	■	■
	Tamper	Cover	Cover + wall	Cover + wall
	Sealed optical chamber	■	■	■
Ease of Installation***	**No-adjust installation**	■	■	■
	Enable/disable look-down	■	■	■
	Enable/disable LED	■	■	■
	Microwave Doppler range adjustment	■	■	■
	Remote walk test	–	–	–
	Remote self test	–	–	–
Certifications		CCC, FCC, IC, UL	CCC, FCC, IC, UL	CCC, FCC, IC, UL

■ Available – Not available

Large commercial and high security – Professional Series

Material description		Standard PIR	Anti-mask PIR	Standard PIR	Anti-mask TriTech®	Curtain TriTech®	Anti-mask Curtain TriTech®
Commercial type number (CTN)		ISC-PPR1-W16	ISC-PPR1-WA16x	ISC-PDL1-W18x	ISC-PDL1-WA18x	ISC-PDL1-WC30x	ISC-PDL1-WAC30x
Overview	**Application risk level**	Moderate risk	High risk	Moderate risk	High risk	Moderate risk	High risk
	Environment*	Standard	Standard	Difficult	Difficult	Difficult	Difficult
Specifications	**Coverage/range**	50 x 70 ft (16 x 21 m) 25 x 33 ft (8 x 10 m)	50 x 70 ft (16 x 21 m) 25 x 33 ft (8 x 10 m)	60 x 80 ft (18 x 25 m) 25 x 33 ft (8 x 10 m)	60 x 80 ft (18 x 25 m) 25 x 33 ft (8 x 10 m)	100 x 8.5 ft (30 x 2.6 m) 25 x 3.3 ft (8 x 1 m)	100 x 8.5 ft (30 x 2.6 m) 25 x 3.3 ft (8 x 1 m)
	Mounting height	7 to 10 ft (2.1 to 3 m)	7 to 10 ft (2.1 to 3 m)	7 to 10 ft (2.1 to 3 m)	7 to 10 ft (2.1 to 3 m)	7 to 10 ft (2.1 to 3 m)	7 to 10 ft (2.1 to 3 m)
	Operating temperature**	-20º to 130º F (-29º to 55º C)	-22º to 130º F (-30º to 55º C)	-20º to 130º F (-29º to 55º C)	-22º to 130º F (-30º to 55º C)	-22º to 130º F (-30º to 55º C)	-22º to 130º F (-30º to 55º C)
	Operating voltage	9 to 15 VDC	9 to 15 VDC	9 to 15 VDC	9 to 15 VDC	9 to 15 VDC	9 to 15 VDC
	Current draw (typical)	10 mA	18 mA	13 mA	18 mA	18 mA	18 mA
Features	**Sensor Data Fusion**	■	■	■	■	■	■
	Microwave noise adaptive processing	–	–	■	■	■	■
	Range adaptive radar	–	–	■	■	■	■
	Active white light supression	■	■	■	■	■	■
	Dynamic temperature compensation	■	■	■	■	■	■
	Look-down zone	■	■	■	■	■	■
	Pet/small animal immunity	10 lb (4.5 kg)	10 lb (4.5 kg)	10 lb (4.5 kg)	10 lb (4.5 kg)	10 lb (4.5 kg)	10 lb (4.5 kg)
	Alarm output	NC	NC	NC	NC	NC	NC
	Alarm memory	■	■	■	■	■	■
	Anti-mask	–	■	–	■	–	■
	Tamper	Cover + wall	Cover + wall	Cover + wall	Cover + wall	Cover + wall	Cover + wall
	Sealed optical chamber	■	■	■	■	■	■
Ease of Installation***	**No-adjust installation**	■	■	■	■	■	■
	Enable/disable look-down	■	■	■	■	■	■
	Long/short select range	■	■	■	■	–	–
	Microwave Doppler range adjustment	–	–	■	■	■	■
	Remote walk test	■	■	■	■	■	■
	Remote self test	■	■	■	■	■	■
Certifications		AFNOR, CCC, CE, EN50131-2-2 Grade 2, FCC, IC, INCERT, UL	AFNOR, CCC, CE, EN50131-2-2 Grade 3, FCC, IC, INCERT, UL	AFNOR, CCC, CE, EN50131-2-4 Grade 2, FCC, IC, INCERT, UL	CCC, FCC, IC, UL	CCC, FCC, IC, UL	–

■ Available – Not available

Ceiling Mount

Material description		Low-profile PIR	High-performance PIR	High-performance TriTech®
Commercial type number (CTN)		DS936	DS939	DS9370
Overview	**Application risk level**	Low to moderate risk	Moderate risk	Moderate risk
	Environment*	Standard	Standard	Difficult
Specifications	**Optics**	Fresnel	Triple 35-zone Frensel	Triple 35-zone Frensel
	Coverage/range	24 ft (7 m) diameter	70 ft (21 m) diameter	70 ft (21 m) diameter
	Mounting height	7 to 12 ft (2.1 to 3.6 m)	8 to 25 ft (2.4 to 7.6 m)	8 to 25 ft (2.4 to 7.6 m)
	Operating temperature**	-20º to 120º F (-29º to 49º C)	-20º to 120º F (-29º to 49º C)	-20º to 120º F (-29º to 49º C)
	Operating voltage	10 to 15 VDC	9 to 15 VDC	9 to 15 VDC
	Current draw (typical)	20 mA	12 mA	19 mA
Features	**First Step Processing**	–	■	■
	Motion Analyzer II signal processing	–	–	–
	PIR supervision	–	–	–
	Microwave supervision	–	–	■
	Microwave noise adaptive processing	–	–	■
	Dynamic temperature compensation	–	■	■
	Pet/small immunity	–	–	–
	Pattern masking	■	■	■
	Alarm output	NC	NC/NO	NC/NO
	Alarm memory	–	■	■
	Tamper	Cover	Cover + wall	Cover + wall
	Sealed optical chamber (insect/dust)	■	■	■
Ease of Installation***	**Interchangeable optics**	–	–	–
	Switchable coverage patterns	–	■	■
	Enable/disable LED	■	■	■
	PIR sensitivity adjustment	■	■	■
	Microwave Doppler range adjustment	–	–	■
	Flexible mounting height	■	■	■
	Remote walk test	–	■	■
	Remote self test	–	–	–
Certifications		CCC, CE, UL	AFNOR, CCC, CE, EN50131-2-2 Grade 2, INCERT, UL	CCC, FCC, IC, UL

■ Available – Not available

Specialty – Photoelectric Beam

Material description		Photobeam 3000			Photobeam 5000		
Commercial type number (CTN)		ISC-FPB1-W30DS	ISC-FPB1-W60DS	ISC-FPB1-W90DS	ISC-FPB1-W60QS ISC-FPB1-W60QF	ISC-FPB1-W120QS ISC-FPB1-W120QF	ISC-FPB1-W200QS ISC-FPB1-W200QF
Overview	**Type**	Dual Beam	Dual Beam	Dual Beam	Quad Beam	Quad Beam	Quad Beam
	Application type	Residential to large commercial	Residential to large commercial	Residential to large commercial	Residential to large commercial	Residential to large commercial	Residential to large commercial
Specifications	**Coverage/range indoor**	200 ft (60 m)	400 ft (120 m)	600 ft (180 m)	393 ft (120 m)	787 ft (240 m)	1,312 ft (400 m)
	Coverage/range outdoor	100 ft (30 m)	200 ft (60 m)	300 ft (90 m)	196 ft (60 m)	393 ft (120 m)	656 ft (200 m)
	Response time	50 ms to 700 ms	50 ms to 700 ms	50 ms to 700 ms	40 ms to 500 ms	40 ms to 500 ms	40 ms to 500 ms
	Operating temperature	-13° to 131°F (-25° to 55°C)	-13° to 131°F (-25° to 55°C)	-13° to 131°F (-25° to 55°C)	-13° to 140°F (-25° to 60°C)	-13° to 140°F (-25° to 60°C)	-13° to 140°F (-25° to 60°C)
	Operating voltage	10.5 VDC to 28 VDC	10.5 VDC to 28 VDC	10.5 VDC to 28 VDC	10.5 VDC to 28 VDC	10.5 VDC to 28 VDC	10.5 VDC to 28 VDC
	Current draw (typical)	6 mA (transmitter) 24 mA (receiver)	10 mA (transmitter) 24 mA (receiver)	15 mA (transmitter) 24 mA (receiver)	90/120 mA (transmitter) 24 mA (receiver)	95/124 mA (transmitter) 24 mA (receiver)	100/128 mA (transmitter) 24 mA (receiver)
	Environmental rating	IP55	IP55	IP55	IP66	IP66	IP66
Features	**Pulsed Active IR**	–	–	–	■	■	■
	Multi-channel operation	–	–	–	■ (QF models)	■ (QF models)	■ (QF models)
	Beam Power Control (BPC)	–	–	–	■	■	■
	Dual modulated beam	–	–	–	■	■	■
	Environmental discrimination	–	–	–	■	■	■
	Alarm output	NC/NO	NC/NO	NC/NO	NC/NO	NC/NO	NC/NO
	Tamper output	NC	NC	NC	NC	NC	NC
	EDC output	–	–	–	NC	NC	NC
	LED indicator	–	–	–	■	■	■
	Draft/insect immunity	■	■	■	■	■	■
Ease of Installation	**Pointable optics**	Horizontal +/- 90° Vertical +/- 5°	Horizontal +/- 90° Vertical +/- 5°	Horizontal +/- 90° Vertical +/- 5°	Horizontal +/- 90° Vertical +/- 10°	Horizontal +/- 90° Vertical +/- 10°	Horizontal +/- 90° Vertical +/- 10°
	Selectable response time	■	■	■	■	■	■
	Test features	Voltage output (for alignment)	Voltage output (for alignment)	Voltage output (for alignment)	Voltage output and LEDs (for alignment)	Voltage output and LEDs (for alignment)	Voltage output and LEDs (for alignment)
	Mounting location	Surface, pole	Surface, pole	Surface, pole	Surface, pole	Surface, pole	Surface, pole

■ Available – Not available

QS – single channel
QF – four channel

Specialty – Seismic/Shock

Material description		Standard Seismic	High-performance Seismic	Shock
Commercial type number (CTN)		ISN-SM-50	ISN-SM-80	ISC-SK10
Overview	**Type**	Thermal, Mechanical, Explosive, Water Attack Detection	Thermal, Mechanical, Explosive, Water Attack Detection	Mechanical Attack Detection
	Application type	Small to large commercial	Small to large commercial	Residental to large commercial
	Application risk level	High risk	High risk	High risk
	Environment	Vault walls and doors, safes, ATMs, strong rooms, vending machines	Vault walls and doors, safes, ATMs, strong rooms, vending machines	Vault walls and doors, safes, ATMs, strong rooms, vending machines
Specifications	**Coverage/range**	50 m²	80 m²	1.5 to 3.5 m radius
	Operating temperature**	-40º to 158º F (-40º to 70º C)	-40º to 158º F (-40º to 70º C)	-14º to 131º F (-10º to 55º C)
	Operating voltage	8 to 16 VDC	8 to 16 VDC	9 to 15 VDC
	Current draw (typical)	3 mA	3 mA	8.5 mA
	Environmental rating	IP43	IP43	IP43
Features	**Anti-drilling shield**	■	■	–
	Temperature supervision	■	■	–
	Voltage monitoring	■	■	–
	Automatic self test	■	■	–
	Local event memory	–	■	–
	Alarm output	NC solid state relays	NC solid state relays	NC solid state relays
	LED	–	–	Green, red
	Tamper	Cover + wall	Cover + wall	Cover
Ease of installation	**Intelligent installation mode**	–	–	■
	Mounting and function test	■	■	■
	Sensitivity adjustment	■	■	■
	Mounting location	Steel, concrete	Steel, concrete	Any
	Installation accessories	Anti-drill foil (ISN-GMX-D7), Floor socket (ISN-GMX-B0), Mounting plate (ISN-GMX-P0), Swivel plate (ISN-GMX-P3S), Test transmitter (ISN-GMX-S1), Wall mounting kit (ISN-GMX-W0)	Anti-drill foil (ISN-GMX-D7), Floor socket (ISN-GMX-B0), Mounting plate (ISN-GMX-P0), Test transmitter (ISN-GMX-S1), Wall mounting kit (ISN-GMX-W0)	–
	Software options	ISN-SMS-W7 SensTool PC Software	ISN-SMS-W7 SensTool PC Software	–
Certifications	**Approvals/listings**	CCC, CE, NCP, VdS, UL	CCC, CE, NCP, VdS, UL	CCC, CE

■ Available – Not available

Specialty – Glass Break

Material description		Standard	Standard	Standard	Standard	Combo Magnetic Contact
Commercial type number (CTN)		DS1101i	DS1108i	DS1102i	DS1103i	DS1109i
Overview	**Application type**	Residential to large commercial	Residential to large commercial	Residential to large commercial	Residential to large commercial	Residential to large commercial
	Application risk level	Low to moderate risk	Low to moderate risk	Low to moderate risk	Low to moderate risk	Low to moderate risk
	Environment	Standard	Standard	Standard	Standard	Standard
Specifications	**Coverage/range**	25 ft (7.6 m) diameter	25 ft (7.6 m) diameter	25 ft (7.6 m) diameter	25 ft (7.6 m) diameter	10 ft (3 m) diameter
	Operating temperature**	-20º to 120º F (-29º to 49º C)	-20º to 120º F (-29º to 49º C)	-20º to 120º F (-29º to 49º C)	-20º to 120º F (-29º to 49º C)	-20º to 120º F (-29º to 49º C)
	Operating voltage	6 to 15 VDC	9 to 15 VDC	6 to 15 VDC	9 to 15 VDC	6 to 15 VDC
	Current draw (typical)	23 mA	21 mA	23 mA	21 mA	21 mA
Features	**Sound Analysis Technology (SAT) processing**	NC/NO	NC	NC/NO	NC	NC
	Alarm output	∎	∎	∎	∎	∎
	LED indicator	–	–	–	–	–
	Tamper	∎	∎	∎	–	∎
Ease of installation	**Mounting location**	Wall, ceiling	Wall, ceiling	Wall, ceiling	Wall, ceiling (flush)	Door, window frame
	Installation accessories	Glass Break Tester (DS1110i)	Glass Break Tester (DS1110i)	Glass Break Tester (DS1110i)	Glass Break Tester (DS1110i)	Glass Break Tester (DS1110i)
Certifications		CCC, CE, UL	CCC, CE, UL	CCC, CE, UL	CCC, CE, UL	CCC, CE, UL

∎ Available – Not available

Specialty – Request-to-Exit

Material description		Standard PIR		High-performance PIR	
Commercial type number (CTN)		DS150i	DS151i	DS160	DS161
Specifications	**Coverage/range**	8 x 10 ft (2.4 x 3 m)	8 x 10 ft (2.4 x 3 m)	8 x 10 ft (2.4 x 3 m)	8 x 10 ft (2.4 x 3 m)
	Mounting height	7 to 10 ft (2.1 to 3 m)	7 to 10 ft (2.1 to 3 m)	7.5 to 15 ft (2.3 to 4.6 m)	7.5 to 15 ft (2.3 to 4.6 m)
	Operating temperature**	-20º to 120º F (-29º to 49º C)	-20º to 120º F (-29º to 49º C)	-20º to 120º F (-29º to 49º C)	-20º to 120º F (-29º to 49º C)
	Operating voltage	12 VAC or VDC; 24 VAC or VDC	12 VAC or VDC; 24 VAC or VDC	12 VAC or VDC; 30 VAC or VDC	12 VAC or VDC; 30 VAC or VDC
	Current draw (typical)	26 mA nominal	26 mA nominal	8 mA nominal	8 mA nominal
Features	**Door monitor with sounder**	–	–	■	■
	Keycard reader input	–	–	■	■
	Sequential logic input	–	–	■	■
	Relay fail-safe/fail-secure	■	■	■	■
	Relay settable select	■	■	■	■
	Relay latch time adjustment	0.25 to 60 seconds	0.25 to 60 seconds	0.5 to 64 seconds	0.5 to 64 seconds
	Pattern masking	■	■	■	■
	Alarm output/memory	–/■	–/■	–/■	–/■
	Tamper	–	–	■	■
	Pointable optics	Vertical adjustment	Vertical adjustment	Vertical adjustment	Vertical adjustment
	Switchable relay mode	■	■	■	■
	Switchable timer reset mode	■	■	■	■
	Adjustable sounder volume	–	–	■	■
	PIR sensitivity adjustment	■	■	■	■
	Enable/disable LED	–	–	■	■
	Flexible mounting height	■	■	■	■
Certifications		UL, CE	UL, CE	UL, CE	UL, CE

■ Available – Not available

Wireless – RADION†

Material description		Standard PIR	Curtain PIR	Standard TriTech®
Commercial type number (CTN)		RFPR-12	RFPR-C12	RFDL-11
Overview	**Application risk level**	Low to moderate risk	Low to moderate risk	Low to moderate risk
	Environment*	Standard	Standard	Difficult
Specifications	**Frequency**	433.42 MHz	433.42 MHz	433.42 MHz
	Coverage/range	40 x 40 ft (12 x 12 m)	40 x 5 ft (12 x 1.5 m)	35 x 35 ft (11 x 11 m)
	Mounting height	7 to 9 ft (2.1 to 2.75 m)	7 to 8.5 ft (2.1 to 2.6 m)	6.5 to 8 ft (2.0 to 2.4 m)
	Operating temperature**	14º to 120º F (-10º to 49º C)	14º to 120º F (-10º to 49º C)	14º to 120º F (-10º to 49º C)
	Operating voltage	3 VDC	3 VDC	6 VDC
	Power source	One CR123A Lithium battery	One CR123A Lithium battery	Four AA Alkaline batteries
	Battery life	Up to 5 years	Up to 5 years	Up to 5 years
Features	**Motion Analyzer II signal processing**	∎	∎	∎
	Microwave noise adaptive processing	–	–	∎
	Dynamic temperature compensation	∎	∎	∎
	Wall-to-wall coverage	∎	∎	∎
	Look-down zone	∎	∎	∎
	Pet/small animal immunity	30 lb (13 kg)	30 lb (13 kg)	100 lb (45 kg)
	Anti-mask	–	–	–
	Tamper	Cover + wall	Cover + wall	Cover + wall
	Sealed optical chamber	∎	∎	∎
Ease of installation***	**No adjust installation**	∎	∎	–
	Enable/disable LED	–	–	–
	Enable/disable pet immunity	–	–	∎
	Enable/disable look-down	∎	∎	∎
	Switchable detection patterns	–	–	–
	Microwave Doppler range adjustment	–	–	∎
Certifications		ANATEL, AFNOR, CCC, CE, EN50131-2-2 Grade 2, FCC, IC, INCERT, RCM, UL	ANATEL, AFNOR, CCC, CE, EN50131-2-2 Grade 2, FCC, IC, INCERT, RCM, UL	ANATEL, CCC, FCC, IC, RCM, UL

∎ Available – Not available

Wireless – RADION†

Material description		Surface Mount Contact	Recessed Mount Contact	Universal Transmitter	Smoke Detector
Commercial type number (CTN)		RFDW-SM	RFDW-RM	RFUN	RFSM
Specifications	**Frequency**	433.42 MHz	433.42 MHz	433.42 MHz	433.42 MHz
	Coverage/range	–	–	–	135º +/- 5º F (57.2º +/- 2.8º C)
	Reed switch gap width	< 0.75 in (19 mm)	< 0.75 in (19 mm)	< 0.75 in (19 mm)	–
	Operating temperature*	14º to 120º F (-10º to 49º C)	14º to 120º F (-10º to 49º C)	14º to 120º F (-10º to 49º C)	14º to 120º F (-10º to 49º C)
	Operating voltage	1.5 VDC	1.5 VDC	1.5 VDC	3 VDC
	Power source	One AAA Lithium battery	One AAA Lithium battery	One CR123A Lithium battery	Two CR123A Lithium battery
	Battery life	Up to 5 years	Up to 5 years	Up to 5 years	Up to 5 years
Features	**Tamper**	∎	∎	∎	∎
	LED indicator	–	–	–	∎
Certifications		ANATEL, CCC, CE, EN50131, FCC, IC, INCERT, RCM, UL	ANATEL, CCC, CE, EN50131, FCC, IC, INCERT, RCM, UL	ANATEL, CCC, CE, EN50131, FCC, IC, INCERT, RCM, UL	ANATEL, CE, CSFM, FCC, IC, RCM, UL

∎ Available – Not available

Wireless – RADION†

Material description		Glass Break	Bill Trap	Keyfob	Panic Button
Commercial type number (CTN)		RFGB	RFBT	RFKF-FBS, RFKF-TBS	RFPB-SB, RFPB-TB
Specifications	**Frequency**	433.42 MHz	433.42 MHz	433.42 MHz	433.42 MHz
	Coverage/range	20 ft (6 m) diameter	–	–	–
	Mounting gap	–	–	–	–
	Operating temperature**	14º to 120º F (-10º to 49º C)	14º to 120º F (-10º to 49º C)	14º to 120º F (-10º to 49º C)	14º to 120º F (-10º to 49º C)
	Operating voltage	3 VDC	1.5 VDC	3 VDC	3 VDC
	Power source	One CR123A Lithium battery	One AAA Lithium battery	One CR2032 Lithium battery	One CR2032 Lithium battery
	Battery life	Up to 5 years	Up to 5 years	Up to 5 years	Up to 5 years
Features	**Tamper**	∎	∎	–	–
	LED indicator	∎	∎	∎	∎
	Synchronized encryption	–	–	∎ (FBS, TBS models)	–
Certifications		ANATEL, CCC, CE, EN50131, FCC, IC, INCERT, RCM, UL	ANATEL, CCC, CE, EN50131, FCC, IC, INCERT, RCM, UL	ANATEL, CCC, CE, EN50131, FCC, IC, INCERT, RCM, UL	ANATEL, CE, CSFM, FCC, IC, RCM, UL

∎ Available – Not available

Wireless – ZigBee

Material description		Standard PIR	Standard TriTech®
Commercial type number (CTN)		RFPR-ZB	RFDL-ZB
Overview	**Application risk level**	Low to moderate risk	Low to moderate risk
	Environment*	Standard	Difficult
Specifications	**Frequency**	2.4 GHz	2.4 GHz
Features	**Coverage/range**	40 x 40 ft (12 x 12 m)	40 x 40 ft (12 x 12 m)
	Mounting height	7.5 to 9 ft (2.3 to 2.7 m)	7.5 to 9 ft (2.3 to 2.7 m)
	Operating temperature**	14º to 131º F (-10º to 55º C)	14º to 131º F (-10º to 55º C)
	Operating voltage	3 VDC	3 VDC
	Power source	CR123A Lithium battery	CR123A Lithium battery
	Battery life	Up to 6 years (one battery) Up to 10 years (two batteries)	Up to 3 years (one battery) Up to 6 years (two batteries)
	First Step Processing	∎	∎
	Microwave noise adaptive processing	–	∎
	Dynamic temperature compensation	∎	∎
	Wall-to-wall coverage	∎	∎
	Look-down zone	∎	∎
	Pet/small animal immunity	45 lb (20 kg)	100 lb (45 kg)
	Anti-mask	–	–
	Tamper	Cover + wall	Cover + wall
	Sealed optical chamber	∎	∎
Ease of installation***	**No-adjust installation**	∎	∎
	Enable/disable LED	∎	∎
	Enable/disable pet immunity	∎	∎
	Enable/disable look-down	∎	∎
	Microwave Doppler range adjustment	–	∎
Certifications		FCC, IC, cETLus, ZigBee, iControl	FCC, IC, cETLus, ZigBee, iControl

∎ Available – Not available

		Multi-sensor
		RFPR-ZB
Specifications	**Frequency**	2.4 GHz
	Sensor gap width	≥ 1.3 in (33 mm)
	Operating temperature**	14º to 131º F (-10º to 55º C)
	Operating voltage	3 VDC
	Power source	One CR2 Lithium battery
	Battery life	Up to 5 years
Features	**Hall effect contact sensor**	∎
	Water detection	∎
	Tilt detection	∎
	Low temperature alarm	∎
	Tamper	∎
	LED indicator	∎
	Synchronized encryption	∎
Certifications		FCC, IC, cETLus, ZigBee

Technical Notes

* Difficult environments include rooms with potential false alarm sources, such as: air conditioning vents, strong drafts of cold or warm air, slow moving objects such as curtains, plants, or signs hanging from the ceiling, a fan that could be running when the system is activated, under floor heating, room temperatures exceeding 86°F (30°C), a detector that could be exposed to bright white light (car headlights, floodlights, direct sunlight, etc.)

** For UL installations the operating range is 32° to 120° F (0° to 49° C), indoor use.

*** Professional Series, Commercial Series, Blue Line Gen2 Series, RADION and ZigBee models feature a two-piece design, self-locking enclosure, interchangeable mounting base, integrated bubble level, and removable lift-gate terminal strips.

† Wireless peripherals require a compatible receiver. B810 RADION receiver is compatible with SDI2 bus panels (B Series and G Series); RFRC–OPT is compatible with Option bus panels; RFRC–STR is compatible with Streamline bus panels.

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